

SEQUENCE LISTING

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HAMMER, KARIN

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AND PROMOTERS DERIVED FROM SUCH LIBRARIES

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<140> 09/242,657

<141> 1999-02-19

<150> DK 886/96

<151> 1996-08-23

<150> PCT/DK97/00342

<151> 1997-08-25

<160> 62

<170> PatentIn Ver. 2.1

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<213> Lactococcus lactis

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<212> DNA



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<210> 3

<211> 199

<212> DNA

<213> *Saccharomyces cerevisiae*

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nnnnnnnnnn nnnnnntata aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
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ctaccaatca tggatccg 199

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<212> DNA

<213> *Pseudomonas putida*

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<213> Lactococcus lactis

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<210> 6
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<210> 7
<211> 59
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<213> Lactococcus lactis

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<210> 9
<211> 60
<212> DNA
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catgctttac ttattcttg acaaaaccac cagcttttg tataatacgt gagaactgtt 60

<210> 10
<211> 60
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<213> Lactococcus lactis

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<213> Lactococcus lactis

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<212> DNA
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<210> 13
<211> 59
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<213> Lactococcus lactis

<400> 13
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<210> 14

<211> 58
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<213> Lactococcus lactis

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<210> 15
<211> 58
<212> DNA
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<210> 16
<211> 60
<212> DNA
<213> Lactococcus lactis

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<210> 17
<211> 60
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<213> Lactococcus lactis

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<210> 18
<211> 59
<212> DNA
<213> Lactococcus lactis

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<210> 19
<211> 60
<212> DNA
<213> Lactococcus lactis

<400> 19
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<210> 20
<211> 60
<212> DNA
<213> *Lactococcus lactis*

<400> 20
catgggtaag ttattcttc acatatctg gggccgatgg tataataagt gactactgtt 60

<210> 21
<211> 59
<212> DNA
<213> *Lactococcus lactis*

<400> 21
cttggcagt ttattctga catgtagtga gggggctggt ataatacat agtactgtt 59

<210> 22
<211> 60
<212> DNA
<213> *Lactococcus lactis*

<400> 22
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<210> 23
<211> 60
<212> DNA
<213> *Lactococcus lactis*

<400> 23
catggggccg ttattcttg acaacggcga gcagacctgg tataataata tagtactgtt 60

<210> 24
<211> 59
<212> DNA
<213> *Lactococcus lactis*

<400> 24
catcggttaag ttattctga catctcaggg gggacgtggt ataataactg agtactgtt 59

<210> 25
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<213> *Lactococcus lactis*

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<223> "n" may be a, t, c, g, other or unknown

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<210> 26
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<212> DNA
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<210> 27
<211> 60
<212> DNA
<213> Lactococcus lactis

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<210> 28
<211> 60
<212> DNA
<213> Lactococcus lactis

<400> 28
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<210> 29
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<212> DNA
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<210> 30
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<210> 31
<211> 60
<212> DNA
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<400> 31

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<210> 32
<211> 60
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<210> 33
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<213> Lactococcus lactis

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<210> 34
<211> 59
<212> DNA
<213> Lactococcus lactis

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catagaacag ttattcttg acattgaata agaaggctga tataatagcc agtactgtt 59

<210> 35
<211> 60
<212> DNA
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<210> 36
<211> 60
<212> DNA
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<210> 37
<211> 59
<212> DNA
<213> Lactococcus lactis

<400> 37
catcgggtag ttattcttg acaattaagt agagcctgat ataatagttc agtactgtt 59

<210> 38
<211> 59
<212> DNA
<213> *Lactococcus lactis*

<400> 38
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<210> 39
<211> 60
<212> DNA
<213> *Lactococcus lactis*

<400> 39
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<210> 40
<211> 60
<212> DNA
<213> *Lactococcus lactis*

<400> 40
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<210> 41
<211> 60
<212> DNA
<213> *Lactococcus lactis*

<400> 41
cattcttag ttattcttg acaaacgtat tgaggactga tataataggt gagtactgtt 60

<210> 42
<211> 60
<212> DNA
<213> *Lactococcus lactis*

<400> 42
catagtctag ttattcttg acacgcggtc cattggctgg tataataatt tagtactgtt 60

<210> 43
<211> 177
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 43
gaattcgtga ctcaaacggg tggtcgacgg gtggttccaa ttaattggcg tccctcttat 60
aaaggcgagg gtacgtgcga caattggtag agcgagcggg gctcttaagt gcaagtgact 120
gcgaacattt ttctgttg ttagaataat tcaagaatcg ctaccaatca tggatcc 177

<210> 44
<211> 182
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 44
gaattcgtga ctcacggcat ctgatggtg accatagtca ggaacattgt gctggagttc 60
cttgaggaaat gagttataaa atgggagggt gcggctaata ccaggcagga gaggaaccct 120
cttaagtga agtgactga aacatTTTT tcgtttgtg aatcgctacc aatcatgat 180
cc 182

<210> 45
<211> 191
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 45
gaattcgtga ctactaggc aggtcacgtt ggctcttcgc ggcgcagggt cgtatgccgc 60
gccgccaggg gctttataaa ggtcgtcctg ggtacagttg ggatggctcc acgtttcggc 120
tcttaagtgc aagtgactgc gaacatttcg ttgtagaa taattcaaga atcgctacca 180
atcatggatc c 191

<210> 46
<211> 167
<212> DNA
<213> *Saccharomyces cerevisiae*

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ctttgggcca tggcttgct ggaaaacacc tctcttaagt gcaagtgact gcgaacatt 120
tttcgttg ttagaataat tcaagaatcg ctaccaatca tggatcc 167

<210> 47
<211> 191
<212> DNA
<213> *Saccharomyces cerevisiae*

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ttaagtcaa gtgactgcga acattttcg ttgtagaa taattcaaga atcgctacca 180
atcatggatc c 191

<210> 48
<211> 195
<212> DNA
<213> *Saccharomyces cerevisiae*

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gctttttgc agaataaaa cccgttagtc agggtttggg gggatagggg gtactgtacc 120

tcttaagtgc aagtactgc gaacatttt ttcgtttgtt agaataattc aagaatcgct 180
accaatcatg gatcc 195

<210> 49
<211> 179
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 49
gaattcgtga ctactaagg gttcgccatt aacagaatcg ctggtagaac atcggtagt 60
aggcaccga gtataaacag gcggaccct cacggatgc agctgatagt gcgagcctca 120
atcggaacat tttttcgtt tgtagaata attcaagaat cgctaccaat catggatcc 179

<210> 50
<211> 195
<212> DNA
<213> *Saccharomyces cerevisiae*

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cgggtggtta cggtataaa tgagtgttg cagccgggta cgggcgtacg agtagtgatc 120
tcttaaatgc aagtactgc gaacatttt ttcgtttgtt agaataattc aagaatcgct 180
accaatcatg gatcc 195

<210> 51
<211> 193
<212> DNA
<213> *Saccharomyces cerevisiae*

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aagacagacc atctataaac atttggtggg caaagtggcc tggcggattt gttggactc 120
ttaagtgaat gtgactgca acatttttt cgttgttag aataatcaa gaatcgctac 180
caatcatgga tcc 193

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<211> 166
<212> DNA
<213> *Saccharomyces cerevisiae*

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gaaaattacg acattataaa tagcggagag gccaggtgat gggcaccatt gtgggggggc 120
tcttaattgt tagaataatt caagaatcg taccaatcat ggatcc 166

<210> 53
<211> 195
<212> DNA
<213> *Saccharomyces cerevisiae*

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tcttaagtgc aagtactgc gaacatttt ttcgtttgtt agaataattc aagaatcgct 180
accaatcatg gatcc 195

<210> 54
<211> 188
<212> DNA
<213> *Saccharomyces cerevisiae*

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gttttacct gtataaactt tgctaccgct gggccttggg ggtgctgtcc cgctctaag 120
tgcaagtgc tgcaaacatt ttttcggtt gttacaataa tcaagaatc gctaccaatc 180
atggatcc 188

<210> 55
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<212> DNA
<213> *Saccharomyces cerevisiae*

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cagaggctag accttataaa ttatacatgg tggagagggc gatagtcttt agagacgtgc 120
tcttaagtgc aagtactgc gaacatttt ttcgtttgtt agaataattc aagaatcgct 180
accaatcatg gatcc 195

<210> 56
<211> 189
<212> DNA
<213> *Saccharomyces cerevisiae*

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cgctgccttc gtataaagat ctagagctg tggagtctgg gtcgagtggc cagctcttaa 120
atgcaagtga ctgcaacat ttttcggtt tgtagaata attcaagaat cgctaccaat 180
catggatcc 189

<210> 57
<211> 195
<212> DNA
<213> *Saccharomyces cerevisiae*

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gggattccct tctatataaa gggttccgat actacgtgct gcggacggcc gatcgagtta 120
tcttaagtgc aagtactgc gaaaatttt ttcgtttgtt agaataattc aagaatcgct 180
accaatcatg gatcc 195

<210> 58
<211> 176

<212> DNA
<213> *Saccharomyces cerevisiae*

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cttaaatttt ttgcgttgt tagaataatt caagaatcgc taccaatcat ggatcc 176

<210> 59
<211> 23
<212> DNA
<213> *Saccharomyces cerevisiae*

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<210> 60
<211> 52
<212> DNA
<213> *Lactococcus lactis*

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<222> (16)..(29)
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<210> 61
<211> 27
<212> DNA
<213> *Lactococcus lactis*

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<222> (10)..(18)
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<210> 62
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<213> Lactococcus lactis

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tannwnagta ctg 73

D5
cancer

